NC/QC/PD/2018-19/PM-S1 Date: 21-04-2018

## 1. TEST REPORT ON REINFORCEMENT STEEL:

**Sub**: Testing of Reinforcement Steel of diameter 10 and 12 mm, **TMT Steel.**
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
**Ref.**: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

**TABLE – 1**

| SL No | Details | For 10 mm | | For 12 mm | |
|---|---|---|---|---|---|
| | | **Test Results** | Min Req as per IS 1786-2008 | **Test Results** | Min Req. as per IS 1786-2008 |
| 01 | Observed diameter of bar | **10.0 mm** | 10.0 mm | **12.0 mm** | 12.0 mm |
| 02 | Observed Wt/m Length **Kg/m** | **0.619** | 0.567 | **0.892** | 0.834 |
| 03 | Proof stress/Yield stress, fy , **N/mm$^2$** | **562.0** | 500.0 | **556.0** | 500.0 |
| 04 | Bend/ Re bend Test | **Ok** | --- | **Ok** | --- |
| 05 | Percentage of Elongation, % | **20.30** | 12.00 | **21.60** | 12.00 |
| 06 | Ultimate Tensile Strength **N/mm$^2$** | **642.0** | 545.0 | **635.0** | 545.0 |

**Page No. 1/1,**

Asst. Executive Engineer
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Proprietor



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NC/QC/PD/2018-19/PM-CB1

Date: 02-05-2018

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
**Ref.**: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 25-04-18 | 02-05-18 | 07 | 22500 | 380 | 16.89 | **16.81** |
| | 002 | " | " | " | " | 370 | 16.44 | |
| | 003 | " | " | " | " | 385 | 17.11 | |

Page No. 1/1,

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NC/QC/PD/2018-19/PM-CB2 Date: 04-05-2018

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
**Ref.**: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 27-04-18 | 04-05-18 | 07 | 22500 | 370 | 16.44 | **16.67** |
| | 002 | " | " | " | " | 380 | 16.89 | |
| | 003 | " | " | " | " | 375 | 16.67 | |



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NC/QC/PD/2018-19/PM-CB3 Date: 05-05-2018

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
**Ref.**: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 28-04-18 | 05-05-18 | 07 | 22500 | 375 | 16.67 | 16.74 |
| | 002 | " | " | " | " | 385 | 17.11 | |
| | 003 | " | " | " | " | 370 | 16.44 | |



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NC/QC/PD/2018-19/PM-CB4

Date: 09-05-2018

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
**Ref.**: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 02-05-18 | 09-05-18 | 07 | 22500 | 370 | 16.44 | 16.22 |
| | 002 | " | " | " | " | 365 | 16.22 | |
| | 003 | " | " | " | " | 360 | 16.00 | |



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